

ABSTRACT

A system for identifying the position of a wireless device and transmitting that position back to the wireless device, the system comprising a plurality of receiver/correlators, each receiver/correlator being positioned at a fixed location in the network for receiving position request packets from the wireless cellular device, thereby generating a trigger signal each time a position request packet is received, the trigger signal used to record a local time, as indicated by an internal clock, at which the position request packet is received, and generating timing packets which include information about received position request packet, including time received. The system further including a central server for receiving the timing packets from the plurality of receiver/correlators and determining the position of the wireless device using the information in various timing packets.